

FIXED MOUNT VHF AND LOUD HAILER SPECIFICATIONS

Fixed Mount VHF Radios

| MODEL | GX6000 | GX2400GPS/GX2000 | GX1850/GX1800GPS | GX1400GPS/GX1400 |
|-------------------------------------|---|--|---|---|
| GENERAL | | | | |
| Frequency Range | Marine Band 156.025 - 163.275 MHz | Marine Band 156.025 - 163.275 MHz | Marine Band 156.025 - 163.275 MHz | Marine Band 156.025 - 163.275 MHz |
| Input Voltage | 13.8 VDC ±20% | 13.8 VDC ±20% | 13.8 VDC ±20% | 13.8 VDC ±20% |
| Current Drain | Standby: 0.55 A Receive: 0.9 A Transmit: 5.0 A (Hi), 1.0 A (Lo) | Standby: 0.55 A (GX2400GPS) / 0.45 A (GX2000) Receive: 0.9 A (GX2400GPS) / 0.8 A (GX2000) Transmit: 5.0 A (Hi), 1.0 A (Lo) | Standby: 0.45 A Receive: 0.8 A Transmit: 5.0 A (Hi), 1.0 A (Lo) | Standby: 0.3 A Receive: 1.2 A Transmit: 5.0 A (Hi), 1.0 A (Lo) |
| Overall Dimensions | 6.9"W x 4.3"H x 6.8"D (175.5W x 110H x 173.3D mm) | GX2400GPS: 7.1"W x 3.1"H x 6.0"D (180W x 80H x 152.6D mm) GX2000: 7.1"W x 3.1"H x 6.3"D (180W x 80H x 160D mm) | GX2400GPS: 7.1"W x 3.1"H x 6.0"D (180W x 80H x 152.6D mm) GX2000: 7.1"W x 3.1"H x 6.3"D (180W x 80H x 160D mm) | GX2400GPS: 7.1"W x 3.1"H x 6.0"D (180W x 80H x 152.6D mm) GX2000: 7.1"W x 3.1"H x 6.3"D (180W x 80H x 160D mm) |
| Flush-Mount Dimensions | 6.2"W x 3.7"H x 6.2"D (158W x 94H x 158D mm) | GX2400GPS: 6.3"W x 2.6"H x 6.2"D (161W x 65H x 157D mm) GX2000: 6.3"W x 2.6"H x 5.9"D (161W x 65H x 150D mm) | GX2400GPS: 6.3"W x 2.6"H x 6.2"D (161W x 65H x 157D mm) GX2000: 6.3"W x 2.6"H x 5.9"D (161W x 65H x 150D mm) | GX2400GPS: 6.3"W x 2.6"H x 6.2"D (161W x 65H x 157D mm) GX2000: 6.3"W x 2.6"H x 5.9"D (161W x 65H x 150D mm) |
| Weight | 3.7 lbs (1.66 kg) | GX2400GPS: 3.3 lbs/1.5 kg, GX2000: 3.1 lbs/1.4 kg | 2.1 lbs (940 g) | 1.8 lbs (800 g) |
| PA/FOG Power Output | 25 W with listen back | 30 W with listen back / 30 W no listen back | - | - |
| TRANSMITTER | | | | |
| RF Output | 25 W (Hi), 1 W (Lo) | 25 W (Hi), 1 W (Lo) | 25 W (Hi), 1 W (Lo) | 25 W (Hi), 1 W (Lo) |
| Conducted Spurious Emissions | Less than -80 dBc (Hi), -66 dBc (Lo) | Less than -80 dBc (Hi), -66 dBc (Lo) | Less than -80 dBc (Hi), -66 dBc (Lo) | Less than -80 dBc (Hi), -66 dBc (Lo) |
| Frequency Stability | ±3 ppm (-4° F to +140° F) | ±3 ppm (-4° F to +140° F) | ±3 ppm (-4° F to +140° F) | ±3 ppm (-4° F to +140° F) |
| FM Hum and Noise | 50 dB | 50 dB | 50 dB | 50 dB |
| RECEIVER (for Voice and DSC) | | | | |
| Sensitivity (12 dB SINAD) | 0.30 µV | 0.30 µV | 0.25 µV | 0.25 µV |
| Spurious and Image Rejection | 80 dB for Voice (75 dB for DSC) | 80 dB for Voice (75 dB for DSC) | 75 dB for Voice (75 dB for DSC) | 75 dB for Voice (70 dB for DSC) |
| Intermodulation and Rejection | 80 dB for Voice (75 dB for DSC) | 75 dB for Voice (75 dB for DSC) | 75 dB for Voice (70 dB for DSC) | 70 dB for Voice (70 dB for DSC) |
| Audio Output | 10 W | 4.5 W | 4.5 W | 4.5 W |
| DSC Format | Class D ITU-R M.493-15 | Class D ITU-R M.493-15 | Class D ITU-R M.493-15 | Class D ITU-R M.493-15 |
| RECEIVER (for AIS) | | | | |
| Sensitivity | 0.5 µV | 0.5 µV*1 | - | - |
| Spurious and Image Rejection | 70 dB for AIS | 70 dB for AIS*1 | - | - |
| Intermodulation and Rejection | 70 dB for AIS | 70 dB for AIS*1 | - | - |
| NMEA Input/Output | | | | |
| NMEA 2000 | Compatible | Compatible*1 | Compatible (GX1850) | - |
| NMEA 0183 | Input: GGA, GLL, GNS, RMC, GSA and GSV (4800 bps) Output: DSC, DSE, GGA, GLL, GNS, RMC, GSA and GSV (4800 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (4800 bps) Output: DSC, DSE, GGA*1, GLL*1, GNS*1, RMC*1, GSA*1 and GSV*1 (4800 bps) AIS Output: VDM*1 (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (4800 bps) Output: DSC, DSE, GGA*2, GLL*2, GNS*2, RMC*2, GSA*2 and GSV*2 (4800 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (4800 bps) Output: DSC, DSE, GGA*3, GLL*3, GNS*3, RMC*3, GSA*3 and GSV*3 (4800 bps) |
| 4800 Baud Selected | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*1, GLL*1, GNS*1, RMC*1, GSA*1 and GSV*1 (38400 bps) AIS Output: VDM (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*2, GLL*2, GNS*2, RMC*2, GSA*2 and GSV*2 (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*3, GLL*3, GNS*3, RMC*3, GSA*3 and GSV*3 (38400 bps) |
| NMEA 0183-HS | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA, GLL, GNS, RMC, GSA, GSV and VDM (38400 bps) AIS Output: VDM (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*1, GLL*1, GNS*1, RMC*1, GSA*1 and GSV*1 (38400 bps) AIS Output: VDM*1 (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*2, GLL*2, GNS*2, RMC*2, GSA*2 and GSV*2 (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*3, GLL*3, GNS*3, RMC*3, GSA*3 and GSV*3 (38400 bps) |
| 38400 Baud Selected | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA, GLL, GNS, RMC, GSA, GSV and VDM (38400 bps) AIS Output: VDM (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*1, GLL*1, GNS*1, RMC*1, GSA*1 and GSV*1 (38400 bps) AIS Output: VDM*1 (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*2, GLL*2, GNS*2, RMC*2, GSA*2 and GSV*2 (38400 bps) | Input: GGA, GLL, GNS, RMC, GSA and GSV (38400 bps) Output: DSC, DSE, GGA*3, GLL*3, GNS*3, RMC*3, GSA*3 and GSV*3 (38400 bps) |

*1 GX2400GPS only *2 GX1800GPS only *3 GX1400GPS only

Loud Hailer

| MODEL | VLH-3000A |
|-----------------------------|--|
| GENERAL | |
| Input Voltage | 13.8 VDC ±20% |
| PA Horn Output | 30W : 2ch (at 4 ohm 10 % distortion) |
| Intercom Output | 4W : 2ch (at 4 ohm 10 % distortion) |
| Listen-Back Input Level | 2 mV |
| AF Output | Receive: 1.2 A Transmit: 1.2 A |
| EXT SPK Output | 4 W (at 4 ohm 10 % distortion) |
| INT SPK Output | 2 W (at 8 ohm 10 % distortion) |
| Mic sensitivity | 10 mV |
| Drain current | 7 A (MAX) when Forward and Aft Horns are used. |
| Idle current | 300mA |
| Operating temperature | -4° F to +131° F (-20° C to +55° C) |
| Storage temperature | -22° F to +158° F (-30° C to +70° C) |
| Water integrity performance | IPX7 (3 ft for 30 min) |
| Overall Dimensions | 7.1"W x 4.3"H x 5.5"D (180W x 110H x 140D mm) |
| Flush mount dimensions | 6.5"W x 3.6"H x 4.5"D (165W x 92H x 115D mm) |
| Weight | 2.97 lbs (1.35 kg) |

GPS Specifications

| MODEL | GX2400GPS / GX1800GPS / GX1400GPS |
|-------------------|---|
| Channels | 66 channels |
| Sensitivity | Less than -147 dBm |
| Time to First Fix | 1 min typical (@Cold Start) 5 sec typical (@Hot Start) |
| Geodetic Datum | WGS84 |
| SBAS Correction | WAAS, EGNOS, MSAS and GAGAN |

HANDHELD VHF SPECIFICATIONS

| MODEL | HX890 | HX40 | HX210 | HX300 | HX400/HX400IS | HX380 | |
|------------------------------|---|--|---|--|---|---|---|
| GENERAL | | | | | | | |
| Frequency Range | Marine Band 156.050 - 163.275 MHz | Marine Band 156.025 - 163.275 MHz | Marine Band 156.025 - 163.275 MHz | Marine Band 156.025 - 163.275 MHz | Marine Band: 156.025 - 163.275 MHz LMR Band: 134 - 174 MHz | Marine Band: 156.025 - 163.275 MHz LMR Band: 134 - 174 MHz | |
| Battery type / Capacity | Li-Ion 1800 mAh | Lithium Polymer 1850 mAh (Built-in) | Lithium Polymer 1850 mAh (Built-in) | Li-Ion 1560 mAh | Li-Ion 2550 mAh | Li-Ion 1600 mAh | |
| Input Voltage | 7.4 VDC | 7.4 VDC | 7.4 VDC | 7.4 VDC | 7.4 VDC | 7.4 VDC | |
| Current Drain | Standby: 130 mA (GPS On), 110 mA (GPS Off) Receive: 380 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6 W / 2.5 W / 1 W) | Standby: 100 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6 W / 2.5 W / 1 W) | Standby: 60 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6 W / 2.5 W / 1 W) | Standby: 20 mA Receive: 330 mA (Typical at MAX AF Output) Transmit: 2.3 A / 0.9 A (5 W / 1 W) | Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5 W / 1 W) | Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5 W / 1 W) | Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5 W / 1 W) |
| Overall Dimensions | 2.60"W x 5.43"H x 1.50"D (66W x 138H x 38D mm) | 2.05"W x 3.74"H x 1.3"D (52W x 95H x 33D mm) | 2.36"W x 5.20"H x 1.57"D (60W x 132H x 40D mm) | 2.32"W x 5.04"H x 1.3"D (59W x 128H x 33D mm) | 2.24"W x 5.24"H x 1.57"D (57W x 133H x 40D mm) | 2.24"W x 5.24"H x 1.3"D (57W x 133H x 33D mm) | |
| Weight | 10.94 oz (310 g) (w/SBR-13LI, Hand Strap, Belt Clip & Antenna) | 8.1 oz (230 g) (w/ Hand Strap, Belt Clip & Antenna) | 9.88 oz (280 g) (w/ Hand Strap, Belt Clip & Antenna) | 8.4 oz (240 g) (w/SBR-27LI, Belt Clip & Antenna) | 12.3 oz (350 g) (w/SBR-29LI/SBR-29LIIS, Belt Clip & Antenna) | 11.3 oz (320 g) (w/FNB-105LI, Belt Clip & Antenna) | |
| TRANSMITTER | | | | | | | |
| RF Output | 6 W / 2 W / 1 W (@7.4 V) | 6 W / 2.5 W / 1 W (@7.4 V) | 6 W / 2.5 W / 1 W (@7.4 V) | 5 W / 1 W (@3.7 V) | 5 W / 1 W (@7.4 V) | 5 W / 1 W (@7.4 V) | |
| Conducted Spurious Emissions | Less than 0.25 µV | Less than 0.25 µV | Less than 0.25 µV | -75 dBc Typical | -75 dBc Typical | At least 36 dBm below | |
| Frequency Stability | ±3 ppm (-4° F to +140° F) | ±3 ppm (-4° F to +140° F) | ±3 ppm (-4° F to +140° F) | ±5 ppm (-4° F to +140° F) | ±2.5 ppm (-22° F to +140° F) | ±2.5 ppm (-22° F to +140° F) | |
| FM Hum and Noise | 40 dB | 40 dB | 40 dB | 40 dB | 40 dB | 40 dB | |
| RECEIVER | | | | | | | |
| Sensitivity (12 dB SINAD) | 0.25 µV | 0.25 µV | 0.25 µV | 0.25 µV | 0.25 µV | 0.25 µV | |
| Selectivity | 12 kHz / 25 kHz (-6 dB / -60 dB) | 12 kHz / 25 kHz (-6 dB / -60 dB) | 12 kHz / 25 kHz (-6 dB / -60 dB) | 25 kHz (-70 dB) | 12 kHz / 25 kHz (-6 dB / -60 dB) | 12 kHz / 25 kHz (-6 dB / -60 dB) | |
| Audio Output | 700 mW | 600 mW | 600 mW | 600 mW | 700 mW | 700 mW | |
| DSC Format | Class-H ITU-R M.493-15 | - | - | - | - | - | |
| NMEA 0183 In/Out | Input/Output: DSC, DSE, GGA, GLL, RMC, GSA and GSV | - | - | - | - | - | |
| GPS | | | | | | | |
| Channels | 66 channels | - | - | - | - | - | |
| Sensitivity | Less than -147 dBm | - | - | - | - | - | |
| Time to First Fix | 1 min Typical (@Cold Start) 5 sec Typical (@Hot Start) | - | - | - | - | - | |
| Geodetic Datum | WGS84 | - | - | - | - | - | |
| SBAS Correction | WAAS, EGNOS, MSAS and GAGAN | - | - | - | - | - | |

Standard Horizon reserves the right to make changes and enhancements to products at our discretion. Current specifications are therefore subject to change without notice.

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STANDARD HORIZON

Nothing takes to water like Standard Horizon

MARINE COMMUNICATIONS PRODUCT CATALOG 2022

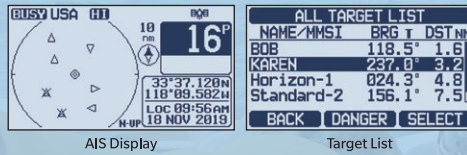


Fixed Mount VHF Radios

POWER, PERFORMANCE, RELIABILITY

ADVANCED FEATURES (GX2400GPS)

- Integrated dual channel AIS **BUILT-IN AIS** (Automatic Identification System) Receiver Built-in



- Second Station Capability
Optional wireless RAM4X*1 or wired RAM4 Remote access Microphone

- NMEA2000 and NMEA0183 Compatible

- Built-in Integrated 66 Channel GPS receiver

- Noise Canceling function for both Receive and Transmit audio

- Integrated 32 Code Voice Scrambler and 4 Code Voice Scrambler

*1 Requires Optional Wireless Access Point SCU-30



Optional Wireless Access point (SCU-30) with 49ft (15m) cable

Optional Wireless Remote Access Microphone RAM4X (SSM-72H) * Requires optional Wireless Access point (SCU-30)

FIXED MOUNT DSC VHF WITH NMEA2000 & BUILT-IN AIS / GPS RECEIVER, 30W PA/ FOG, RAM4/ RAM4X COMPATIBLE

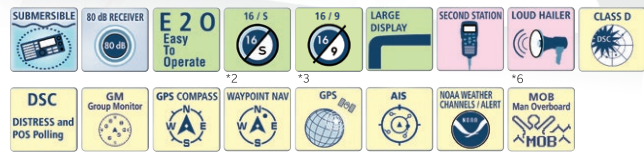
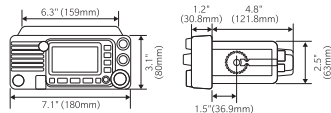
GX2400GPS

MATRIX NMEA2000 GPS BUILT-IN AIS **GPS** **ITUCLASSD**

- Supplied Accessories:
Power Cord, Mounting Bracket, USB Cable and Dust Cover

Body color: ● Black ○ White

IPX8 Submersible 1.5m for 30min **3 Year WARRANTY**



- Meets ITU-R M.493-15 Class D (Digital Selective Calling)
- Separate Receiver for CH70 (Receiving DSC Calls)
- NMEA0183 Connectivity
- AIS/AIS SART target display: MMSI, Call Sign, Ship Name, BRG, DST, SOG and COG*5
- E2O (Easy to Operate) Icon & Menu System
- Preset key stores up to 10 favorite channels
- Intercom Feature between the Radio and an Optional Second Station
- Programmable Scan, Priority Scan, and Multi Watch
- DSC position request and report functions
- GPS Compass, Waypoint and GPS status pages*4
- Enter, Save, and Navigate to a waypoint using the Compass page*4
- Navigation (LAT/LON, Time, SOG and COG) information is shown on display*4
- Programmable CPA (Closest Point of Approach) or TCPA (Time to Closest Point of Approach) collision avoidance alarms*4
- Commercial grade receiver (Spurious & Image rejection better than -80dB)
- 30 Watt PA/Loud Hailer with programmed fog signals and listen back*6
- 4-Code Voice Scrambler (Optional)*3
- GM (Group Monitor) Using DSC Group position Calling*2
- MOB (Man over Board) Operation*2
- Excellent Visibility with Busy LED Indicator
- Selectable Night Mode Display*2
- NOAA Weather Channels with Weather Alert

FIXED MOUNT DSC VHF WITH AIS INPUT, 30W PA/FOG, RAM3+ COMPATIBLE

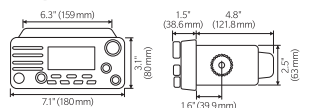
GX2000

MATRIX ITUCLASSD

- Supplied Accessories:
Power Cord, Mounting Bracket and Dust Cover

Body color: ● Black

IPX7 Submersible 1m for 30min **3 Year WARRANTY**



Icon Function List



*2 GX2400GPS only *3 GX2000 only *4 GX2000 requires connection to external GPS device *5 GX2000 requires connection to external AIS receiver *6 Listen-back feature: only for GX2400GPS

EXPLORER Series

FIXED MOUNT MARINE VHF COMPATIBLE WITH NMEA 2000

GX1850

NMEA2000 **ITUCLASSD**

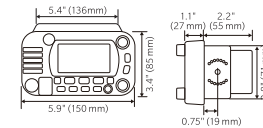
FIXED MOUNT MARINE VHF

GX1800GPS

GPS **ITUCLASSD**

- Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black ○ White
Available in Black or White



IPX8 Submersible 1.5m for 30min

3 Year WARRANTY



- Meets ITU-R M.493-15 Class D DSC (Digital Selective Calling)
- Separate Receiver for CH70 (Receiving DSC Calls)
- Ultra-slim and compact Rear case design (D=3.3", 82mm)
- Built-in Integrated 66 Channel GPS receiver (GX1800GPS)
- NMEA2000 Compatible (GX1850)
- NMEA 0183 Connectivity
- E2O (Easy to Operate) Icon & Menu System
- Preset key stores up to 10 favorite channels
- Second Station Remote Microphone (Optional RAM4 SSM-70H)
- Intercom Feature between the Radio and an Optional Second Station

- Programmable Scan, Priority Scan, and Multi Watch
- Automatic DSC polling of up to 6 ships GPS positions
- GPS Compass, Waypoint and GPS status pages*7
- Enter, Save, and Navigate to a waypoint using the Compass page*7
- Navigation (LAT/LON, SOG, and COG) information shown on display*7
- GM (Group Monitor) Using DSC Group position Calling
- MOB (Man over Board) Operation
- Selectable Night Mode Display
- Noise canceling microphone with channel change selection, 16/S and H/L keys
- NOAA Weather channels with weather Alert



Optional RAM4 Second Station

ECLIPSE Series

FIXED MOUNT MARINE VHF WITH GPS

GX1400GPS

GPS **ITUCLASSD**

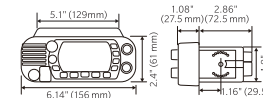
FIXED MOUNT MARINE VHF

GX1400

ITUCLASSD

- Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black ○ White
Available in Black or White



IPX8 Submersible 1.5m for 30min

3 Year WARRANTY



- Meets ITU-R M.493-15 Class D DSC (Digital Selective Calling)
- Separate Receiver for CH70 (Receiving DSC Calls)
- Ultra-Compact Case design (6.14"Wx2.4"Hx3.94"D, 156mmx61mmx100mm)
- Built-in Integrated 66 Channel GPS receiver (GX1400GPS)
- NMEA 0183 Connectivity
- E2O (Easy to Operate) Icon & Menu System
- Preset key stores up to 10 favorite channels

- Programmable Scan, Priority Scan, and Multi Watch
- Automatic DSC polling of up to 6 ships GPS positions
- DSC test call and Auto DSC channel change selection
- NMEA Input and Output Connections to a Compatible GPS Chart Plotter
- Programmable soft keys
- Noise canceling microphone with channel change selection, 16/S and H/L keys
- NOAA weather channels with weather Alert



Fixed Mount VHF Radio Accessories



| | Microphone / Cable | | | | | Access Point / GPS Antenna | | | Encryption | Cover | External Speaker | Hail / PA Speaker | Bracket | |
|-----------|--|---|---|---|--|---|--|--|---|------------|------------------------------------|---|---|---------------------|
| Model | SSM-72H Wireless Remote Access Microphone RAM4X*10 | SSM-70H Remote Access Microphone RAM4 | CMP31B / CMP31W Remote station microphone (Black/White) RAM3+ | SDD-14 USB DC Charger with Cigarette Lighter Plug for SSM-72H | CT-100 23ft (7m) extension cable for SSM-70H/CMP31 | SCU-38 External GPS antenna with 16ft (5m) of cable | SCU-30 Wireless Access Point for SSM-72H (RAM4X) 49ft (15m) of cable | SCU-31 External GPS antenna with 49ft (15m) of cable | CVS2500A 4-Code Voice Scrambler | Dust Cover | MLS-300 External Speaker | 220SW 130mm Round PA/hailing horn 30W 4 Ohm | 240SW W224 x H163mm Rectangular PA/hailing horn 40W 4 Ohm | Flush mount bracket |
| GX2400GPS | . | . | . | . | . | . | . | . | . | HC2400 | . | . | . | MMB-84 |
| GX2000 | . | . | . | . | . | . | . | . | . | HC2000 | . | . | . | MMB-84 |
| GX1850 | . | . | . | . | . | . | . | . | . | HC1600 | . | . | . | MMB-97 |
| GX1800GPS | . | . | . | . | . | . | . | . | . | HC1600 | . | . | . | MMB-97 |
| GX1400GPS | . | . | . | . | . | . | . | . | . | HC1100 | . | . | . | MMB-84 |
| GX1400 | . | . | . | . | . | . | . | . | . | HC1100 | . | . | . | MMB-84 |





*7 GX1850 requires connection to external GPS device *8 GX1800GPS only *9 GX1400GPS only *10 Requires optional Wireless Access point (SCU-30)

Floating Handheld VHF Radios

Ergonomic Design with the Most Advanced Features
Leading with Class H DSC & GPS Marine Communications

ADVANCED FEATURES

- Built-in Integrated 66 Channel GPS receiver 
- Rounded Case design provides excellent handheld comfort and easy front panel operation
- Professional grade construction meets MIL-STD-810F 
- ITU-R M.493-15 Class-H DSC (Digital Selective Calling) & Built-in dedicated CH70 DSC call receiver
- Oversized Full-dot Matrix Display & E20 (Easy to Operate) Icon/Menu System

- Noise Canceling function for both Receive and Transmit audio
- Supplied with 7.4V 1800mAh Li-ion battery
- Built in FM Broadcast Radio Receiver



Navy Blue

Solid Black

CLASS-H DSC & GPS FLOATING 6W VHF

HX890

Supplied Accessories:

CAT460 Antenna, SBR-13LI 7.4V 1800mAh Li-ion Battery Pack, SBH-32 Charger Cradle, SAD-25 AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug for SBH-32, SBT-13 Alkaline Battery Case (AAA x 5), CLIP-22 Belt Clip, Hand Strap and T9101648 USB Cable

Body color: ● Navy Blue ● Solid Black
Available in Navy Blue or Solid Black

Overall Dimensions: 2.60" x 5.43" x 1.50" (66mm x 138mm x 38mm)
Weight: 10.94oz (310g) (with: SBR-13LI, Hand Strap & Antenna)

IPX8
Submersible
1.5m for 30min


3 Year
WARRANTY

SUBMERSIBLE

6W Transmit Power

LOUD AUDIO

E 2 0 Easy To Operate

16 / 5

LARGE DISPLAY

Li-Ion Battery Included

AC and DC Charger Included

OPTIONAL MIC / HEADSET

CLASS H

DSC DISTRESS and POS Polling

GM Group Monitor

GPS COMPASS

WAYPOINT NAV

GPS MOB

MOB Man Overboard

FM Broadcast Radio Receiver

STROBE LIGHT

NOAA WEATHER CHANNELS / ALERT

- Floating
- Extended Range 6W Transmit Power Output (Selectable 6/2/1W)
- 700mW Loud Audio Output
- Preset key stores up to 10 favorite channels
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/S Quick Access (S: Sub-channel)
- 11 hours operating time with supplied Li-ion Battery*1
- NOAA Weather channel with weather Alert
- Selectable Night Mode Display
- GM (Group Monitor) using DSC Group position Calling

- DSC Test Calling and Auto DSC Channel Change Selection
- Automatically poll the GPS positions of vessels using DSC
- Equipped with DSC DISTRESS Alert Transmission button
- Navigation (LAT/LON, SOG, and COG) information shown on display
- Waypoint Navigation: Navigate to the stored locations using the compass screen
- Navigate to the location of a DSC Distress Call using the Compass Page
- MOB (Man over Board) Operation
- Water Activated Emergency Strobe Light
- Integrated 32 Code Voice Scrambler and 4 Code Voice Scrambler
- micro USB Data Port for NMEA 0183 sentence output, configuration of the transceiver settings and downloading GPS logger data

Handheld VHF Radio Accessories

| Model | Antenna / Adapter | | Battery | | Battery Charger | | | | Belt clip |
|-------|---------------------------|----------------------|------------------------------|-----------------------|-----------------|------------|--|---|-----------|
| | CAT460 VHF Marine Antenna | CN-3 BNC-SMA Adapter | Rechargeable | Alkaline Battery tray | Cradle | AC Adapter | DC Cable (with Cigarette Lighter Plug) | SDD-14 USB DC Charger with Cigarette Lighter Plug | CLIP-22 |
| HX890 | •*2 | • | SBR-13LI 1800mAh Li-Ion*2 | SBT-13 (5 x AAA)*2 | SBH-32*2 | SAD-25*2 | E-DC-19A*2 | | CLIP-22*2 |
| HX40 | •*2 | • | 1850mAh (Dealer replaceable) | | SBH-27*2 | SAD-25*2 | E-DC-19A*2 | | SHB-19*2 |
| HX210 | •*2 | • | 1850mAh (Dealer replaceable) | | SBH-25*2 | SAD-25*2 | E-DC-19A*2 | | CLIP-22*2 |
| HX300 | •*2 | • | SBR-27LI 1800mAh Li-Ion*2 | FBA-44 (3 x AAA) | | SAD-27*2 | | •*2 | CLIP-22*2 |

*1 Based on Duty Cycle = (TX):(RX):(Standby):90, with 6W TX Power, GPS:ON, DSC:ON, Battery Save:ON(50%) *2 The same as the supplied accessory



ULTRA COMPACT VHF HANDHELD

HX40

IPX7
Submersible
1m for 30min


3 Year
WARRANTY

*When fitted into optional flotation case

SUBMERSIBLE

6W Transmit Power

LOUD AUDIO

E 2 0 Easy To Operate

16 / 5

Li-Polymer Battery Built-in

AC and DC Charger Included

OPTIONAL MIC / HEADSET

FM Broadcast Radio Receiver

NOAA WEATHER CHANNELS / ALERT

Supplied Accessories:

CAT460 Antenna, SBH-27 Charger Cradle, SAD-25 AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, SHB-19 Belt Clip and Hand Strap

Overall Dimensions: 2.05" x 3.74" x 1.3" (52mm x 95mm x 33mm)
Weight: 8.1oz (230g) (with: Hand Strap, Belt Clip & Antenna)

- Floating (When fitted into optional flotation case)
- Ultra-Compact Case design (2.05"W x 3.74"H x 1.3"D, 52mm x 95mm x 33mm)
- 6W transmit power output (Selectable 6/2.5/1W)
- 600mW Loud Audio Output
- Preset key stores up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/S Quick Access (S: Sub-channel)
- Built-in Lithium Polymer Battery Pack (7.4V, 1850mAh)
- NOAA Weather Channels with Weather Alert
- FM Broadcast Radio Receiver



COMPACT FLOATING VHF HANDHELD

HX210

IPX7
Submersible
1m for 30min


3 Year
WARRANTY

SUBMERSIBLE

6W Transmit Power

LOUD AUDIO

E 2 0 Easy To Operate

16 / 5

Li-Polymer Battery Built-in

AC and DC Charger Included

OPTIONAL MIC / HEADSET

FM Broadcast Radio Receiver

STROBE LIGHT

NOAA WEATHER CHANNELS / ALERT

Supplied Accessories:

CAT460 Antenna, SBH-25 Charger Cradle, SAD-25 AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, CLIP-22 Belt Clip and Hand Strap

Overall Dimensions: 2.36" x 5.20" x 1.57" (60mm x 132mm x 40mm)
Weight: 9.88oz (280g) (with: Hand Strap, Belt Clip & Antenna)

- Floating
- Compact Case design (2.36"W x 5.20"H x 1.57"D, 60mm x 132mm x 40mm)
- 6W transmit power output (Selectable 6/2.5/1W)
- 600mW Loud Audio Output
- Preset key stores up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/S Quick Access (S: Sub-channel)
- Built-in Lithium Polymer Battery Pack (7.4V, 1850mAh)
- NOAA Weather Channels with Weather Alert
- FM Broadcast Radio Receiver
- Water activated light



COMPACT FLOATING VHF HANDHELD

HX300

IPX8
Submersible
1.5m for 30min


3 Year
WARRANTY

SUBMERSIBLE

LOUD AUDIO

3.7V Battery Technology

E 2 0 Easy To Operate

16 / 9

Li-Ion Battery Included

AC and DC Charger Included

USB Charger Included

NOAA WEATHER CHANNELS / ALERT

Supplied Accessories:

CAT460 Antenna, SBR-27LI 3.7V 1800mAh Li-Ion Battery Pack, SAD-27 AC Adapter, SDD-14 USB DC Charger with Cigarette Lighter Plug, T9101606 USB Cable, CLIP-22 Belt Clip and Hand Strap

Overall Dimensions: 2.32" x 5.04" x 1.3" (59mm x 128mm x 33mm)
Weight: 8.4oz (240g) (with: SBR-27LI, Belt Clip & Antenna)

- Floating
- Compact Case design (2.32"W x 5.04"H x 1.3"D, 59mm x 128mm x 33mm)
- Selectable 5 and 1 Watt transmit power output
- 600mW Loud Audio Output
- Preset key stores up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/9 Quick Access
- Supplied with 3.7V 1800mAh Li-Ion battery
- NOAA Weather Channels with Weather Alert
- Unique USB charging system
- Water activated light

| Model | Case / Hanger | | Speaker Microphone / Vox Headset / Earpiece Microphone | | | | | | |
|-------|-----------------------|-------------------------|---|----------------------------|---|---------------------------------------|------------------------------|---------------------|------------------------------|
| | SHC-29 Flotation Case | SCH-11 Belt Clip Hanger | SSM-21A Submersible speaker microphone with earphone jack | SSM-17H Speaker microphone | MH-73A4B Submersible speaker microphone | CMP460 Submersible speaker microphone | SEP-10A Earphone for SSM-21A | SSM-64A Vox Headset | SSM-517A Earpiece/microphone |
| HX890 | • | • | • | • | • | • | • | • | • |
| HX40 | • | • | • | • | • | • | • | • | • |
| HX210 | • | • | • | • | • | • | • | • | • |
| HX300 | • | • | • | • | • | • | • | • | • |

Commercial Grade Marine VHF

BUILT BY PROFESSIONALS FOR PROFESSIONALS

ADVANCED FEATURES

- Capable of connecting two wired RAM4 or one wired RAM4 and four wireless RAM4*1 optional microphones
- Integrated NMEA 2000 interface supporting all PGNs for Navigation, GPS, AIS and DSC functions
- Integrated Dual Channel AIS Receiver
- GPS Compass, Waypoint and GPS status pages
- Dual Zone 25W PA/Loud Hailer with preprogrammed fog signals and listen back
- Submersible IPX8 (5 feet or 1.5 meters for 30 minutes)
- Integrated 32 Code Voice Scrambler and 4 Code Voice Scrambler

*1 Requires Optional Wireless Access Point SCU-30



Optional Wireless Remote Access Microphone (RAM4X SSM-72 H)
* Requires optional Wireless Access point (SCU-30)

Optional Wireless Access point (SCU-30) with 49ft (15m) cable

Fixed Mount VHF Radio

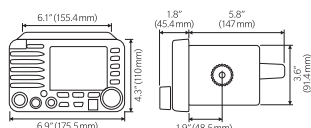
FIXED MOUNT VHF WITH NMEA 2000 AND INTEGRATED DUAL CHANNEL AIS RECEIVER

GX6000 QUANTUM AIS



Supplied Accessories:
Hand Microphone, Power Cord, Mounting Bracket, USB Cable

Body color: ● Black



- Meets ITU-R M493-15 Class D DSC (Digital Selective Calling)
- NMEA 2000 and NMEA 0183 compatible
- AIS/AIS SART target display: MMSI, Call Sign, Ship Name, BRG, DST, SOG and COG
- Front panel microphone can be connected to rear panel and extended 20 feet using MEK-4 mic extension kit
- E20 (Easy to Operate) Icon & Menu System
- User customizable soft keys for easy menu operation
- Programmable CPA or TCPA collision avoidance alarms

- Commercial grade receiver (Spurious & Image rejection better than -80dB)
- Local/Distance receiver Attenuator
- Noise canceling for both transmit and receive audio
- Intercom Feature between the Radio, RAM4 and wireless RAM4X
- Integrated Voice Recorder to playback up to two minutes of RX (receive) audio
- Selectable Night Mode Display
- GM (Group Monitor) using DSC Group Position Call
- MOB (Man Overboard) Operation
- NOAA Weather channels with weather Alert

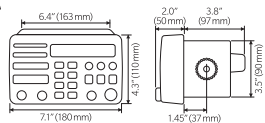
Loud Hailer

30W DUAL ZONE LOUD HAILER

VLH-3000A

Supplied Accessories:
Mounting Bracket, Power Cord and Dust Cover

Body color: ● Black



- PA/Hailer 30W output with Listen Back
- Dual Zone - Forward, Aft or Both
- 6 Preprogrammed Fog Signals: Underway, Stop, Sail, Tow, Anchor and Aground
- Horn and Siren
- Noise canceling microphone

- Easy push button control
- 2W Loud internal speaker audio Output
- Compatible with optional MLS-300i intercom speaker with IC1 and IC2 Push-to-Alert Button
- Adjustable Backlight



COMMERCIAL GRADE VHF WITH LMR CHANNELS

HX400



INTRINSICALLY SAFE

HX400IS

INTRINSICALLY SAFE INFORMATION:
The HX400IS, SBR-29LIIS Li-Ion battery pack and optional SSM-21A and CMP460 speaker microphones meet the ANSI/UL 913-5th Ed. Requirements for: Class I: Flammable Gases, Vapors, or Liquids Div. 1 Group C (Ethylene) Group D (Propane) Class II: Combustible Dusts Div. 1 Group E (Metals) Group F (Coal) Group G (Grain) Class III: Ignitable Fibers and filings

Supplied Accessories (HX400/HX400IS):

CAT460 Antenna, SBR-29LI (HX400) 7.4V 2550mAh/SBR-29LIIS (HX400IS) 7.4V 2550mAh Li-Ion Battery Pack, SBH-36 Charger Cradle, SAD-25 AC Adapter, E-DC-30 DC Cable with Cigarette Lighter Plug (HX400 only), CLIP-22 Belt Clip and Hand Strap

Overall Dimensions (HX400/HX400IS): 2.24" x 5.24" x 1.57" (57mm x 133mm x 40mm)

Weight: 12.3oz (350g) (with: SBR-29LI (HX400)/SBR-29LIIS (HX400IS), Belt Clip & Antenna)

COMMERCIAL VHF WITH LMR CHANNELS

HX380



Supplied Accessories:

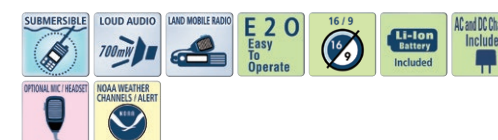
CAT460 Antenna, FNB-V105LI 7.4V 1600mAh Li-Ion Battery Pack, CD-48 Charger Cradle, SAD-25 AC Adapter, E-DC-19A*2 DC Cable with Cigarette Lighter Plug and CLIP-920 Belt Clip *2 US version only

Overall Dimensions: 2.24" x 5.24" x 1.3" (57mm x 133mm x 33mm)

Weight: 11.3oz (320g) (with: FNB-V105LI, Belt Clip & Antenna)



- Selectable 5 and 1 Watt transmit power output
- Marine VHF with 40 Programmable Land Mobile Channels 134MHz to 174MHz
- 700mW Loud Audio Output
- Supplied with 7.4V 2550mAh Li-Ion battery (HX400 only)
- Built-in Noise canceling microphone
- Voice Scrambler
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- Certified Intrinsically Safe (HX400IS only)
- Supplied with Intrinsically safe 7.4V 2550mAh Li-Ion battery (HX400IS only)



- Selectable 5 and 1 Watt transmit power output
- Marine VHF with 40 Programmable Land Mobile Channels 134MHz to 174MHz
- 700mW Loud Audio Output
- Supplied with 7.4V 1600mAh Li-Ion battery
- Scanning operation and Dual Watch



Fixed Mount VHF Radio and Loud Hailer Accessories

| Model | Microphone / Cable | | | | | | Access Point / GPS Antenna | |
|---------------------|--|--|--|---|--|--|---|---|
| | SSM-72H Wireless Remote Access Microphone RAM4X*3 | SSM-70H Remote Access Microphone RAM4 | SDD-14 USB DC Charger with Cigarette Lighter Plug for SSM-72H | CT-100 23ft (7m) extension cable for SSM-70H | MEK-4 Microphone Extension Kit 20ft (6m) | SCU-30 Wireless Access Point for SSM-72 H (RAM4X) 49ft (15m) of Cable | SCU-31 External GPS Antenna with 49ft (15m) of Cable | |
| GX6000 VLH-3000A | • | • | • | • | • | • | • | • |
| Model | Bracket | | External Speaker | | | Hail / PA Speaker | | |
| | MMB-84 Flush Mount Bracket | MLS-300 External Speaker | MLS-310 External Speaker with 10W amplifier | MLS-300i Loud Hailer Intercom Speaker (with Call button) | 220SW 130mm Round PA/hailing horn 30W 4 Ohm | 240SW W224 x H163mm Rectangular PA/hailing horn 40W 4 Ohm | | |
| GX6000 VLH-3000A | • | • | • | • | • | • | • | • |

Handheld VHF Radio Accessories

| Model | Antenna / Adapter | | Battery | | Battery Charger | | | | |
|-----------|--|--|--|--|---------------------------------|------------------------|--------------------------------------|----------------------------------|---|
| | CAT460 VHF Marine Antenna | CN-3 BNC-SMA Adapter | Rechargeable | Alkaline Battery tray | Cradle | AC Adapter | DC Cable (w/ Cigarette Lighter Plug) | SAD-1460 6 Unit Multi Charger | |
| HX400 | •*5 | • | SBR-29LI*5 2550mAh Li-Ion | FBA-42 (6xAA) | SBH-36*5*6 | SAD-25*5*7 | E-DC-30*5 | • | |
| HX400IS*4 | •*5 | • | SBR-29LIIS*5 | FBA-42 (6xAA) | SBH-36*5*6 | SAD-25*5*7 | E-DC-19A | • | |
| HX380 | •*5 | • | Intrinsically Safe 2550mAh Li-Ion FNB-V105LI*5 1600mAh Li-Ion | FBA-40 (6xAA) | CD-48*5 | SAD-25*5 | E-DC-19A | • | |
| Model | Speaker Microphone / Vox Headset / Earpiece Microphone | | | | | | Belt clip / Hanger | | Case |
| | SSM-21A*4 Submersible speaker microphone with earphone jack | CMP460*4 Submersible speaker microphone | SSM-17H Speaker microphone | MH-73A4B Submersible speaker microphone | SEP-10A Earphone for SSM-21A | SSM-64A Vox Headset | SSM-517A Earpiece/microphone | SCH-11 Belt Clip Hanger | Leather Case and Nylon Case SHC-18: Leather Case w/ belt loop and shoulder strap SHC-19: Leather Case w/ swivel SHC-20: Nylon Case |
| HX400 | • | • | • | • | • | • | • | • | • |
| HX400IS*4 | • | • | • | • | • | • | • | • | • |
| HX380 | • | • | • | • | • | • | • | • | • |

*3 Requires optional Wireless Access point (SCU-30) *4 Intrinsically Safe Version *5 The same as the supplied accessory *6 Requires SAD-25 *7 Requires SBH-36